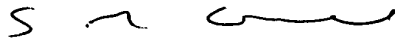


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V E R I F I C A T I O N

I, Susan Mary Cowland, BA., DipTrans., MITI., translator to Taylor and Meyer of 20 Kingsmead Road, London SW2 3JD, hereby declare that I am the translator of the documents attached and certify that the following is a true translation, to the best of my knowledge and belief.



(translator)

AMENDED CLAIMS UNDER ART. 34 PCT

1. Sensor for transmission measurement in a washing machine or dishwasher with:
 - 5 - a carrier (2, 104),
 - a transmitter (4, 106) attached to the carrier (2, 104) to emit a transmitter beam (8), and
 - a receiver (6, 108) attached to the carrier (2, 104) to receive the beam generated by the transmitter (4, 106),characterised by
 - a diaphragm system (12, 128) arranged on the carrier (2, 104) spaced from the transmitter (4, 106), with a transmitter diaphragm (14, 130) arranged in the beam path of the transmitter beam in order to generate a measurement beam (18) aligned to the receiver (6, 108).
2. Sensor for transmission measurement in a washing machine or dishwasher with:
 - 20 - a carrier (2, 104),
 - a transmitter (4, 106) attached to the carrier (2, 104) to emit a transmitter beam (8), and
 - a receiver (6, 108) attached to the carrier (2, 104) to receive the beam generated by the transmitter (4, 106),characterised by
 - a diaphragm system (12, 128) arranged on the carrier (2, 104) spaced from the receiver (6, 108) with a receiver diaphragm (16, 132) arranged in the beam path of the transmitter beam (8) to generate a reception beam aligned to the receiver (6, 108).

3. Sensor for transmission measurement in a washing machine or dishwasher with:

- a carrier (2, 104),
- a transmitter (4, 106) attached to the carrier (2, 104) to emit a transmitter beam (8),
- a receiver (6, 108) attached to the carrier (2, 104) to receive the beam generated by the transmitter (4, 106),

characterised by

- a diaphragm system (12, 128) arranged on the carrier (2, 104) spaced from the transmitter (4, 106) and receiver (6, 108) with a transmitter diaphragm (14, 130) arranged in the beam path of the transmitter beam (8) to generate a measurement beam (18) and with a receiver diaphragm (16, 132) arranged in the beam path of the measurement beam (18) to generate a reception beam aligned to the receiver (6, 108).

4. Sensor according to any of the preceding claims in which the carrier (2, 104) has a first leg (114) on which the transmitter (4, 106) is arranged and a second leg (116) on which the receiver (6, 108) is arranged opposite the transmitter (4, 106).

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5. Sensor according to claim 4, in which the legs (114, 116) of the carrier (2, 104) are of different lengths and on the free end (120) of the longer leg (116) of the carrier (2, 104) is arranged a temperature sensor (122).

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6. Sensor according to any of claims 1 and 3 to 5, in which the diaphragm system has a first diaphragm

system leg which holds the transmitter diaphragm (14, 130).

7. Sensor according to any of claims 2 to 6, in which the
5 diaphragm system has a second diaphragm system leg
which holds the first receiver diaphragm (16, 132).
8. Method for production of a sensor to measure the
transmission of a fluid in a washing machine or a
10 dishwasher with the following steps:
- provision of a carrier,
 - provision of a transmitter to emit a transmitter
beam,
 - provision of a receiver to receive a reception beam,
15 and
 - attachment of the transmitter and receiver on the
carrier,
- characterised by the steps:
- provision of a diaphragm system with a transmitter
20 diaphragm, and
 - arrangement of the diaphragm system on the carrier
so that the diaphragm system is spaced from the
transmitter and the transmitter diaphragm is
arranged in the beam path of the transmitter beam in
25 order to generate a measurement beam aligned to the
receiver.
9. Method for production of a sensor to measure the
transmission of a fluid in a washing machine or a
30 dishwasher with the following steps:
- provision of a carrier,
 - provision of a transmitter to emit a transmitter
beam,

- provision of a receiver to receive a reception beam,
and
- attachment of the transmitter and receiver on the
carrier,

5 characterised by the steps:

- provision of a diaphragm system with a receiver
diaphragm, and
- arrangement of the diaphragm system on the carrier
so that the diaphragm system is spaced from the
10 transmitter and the receiver diaphragm is arranged
in the beam path of the transmitter beam in order to
generate a reception beam aligned to the receiver.

10. Method for production of a sensor to measure the
15 transmission of a fluid in a washing machine or a
dishwasher with the following steps:

- provision of a carrier,
- provision of a transmitter to emit a transmitter
beam,
- 20 - provision of a receiver to receive a reception beam,
and
- attachment of the transmitter and receiver on the
carrier,

characterised by the steps:

- 25 - provision of a diaphragm system with a transmitter
diaphragm and a receiver diaphragm, and
- arrangement of the diaphragm system on the carrier
so that the diaphragm system is spaced from the
transmitter and the receiver, the transmitter
30 diaphragm is arranged in the beam path of the
transmitter beam in order to generate a measurement
beam and the receiver diaphragm is arranged in the

beam path of the measurement beam to generate a reception beam aligned to the receiver.